

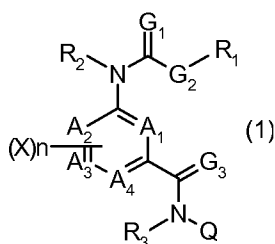
## **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (cancelled)

2. (previously presented) A compound represented by formula (1):



wherein A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub>, and A<sub>4</sub> represent a carbon atom; R<sub>1</sub> represents:

a C1-C6 alkyl group,

a C1-C6 haloalkyl group,

a C2-C6 alkenyl group,

a C2-C6 haloalkenyl group,

a C2-C6 alkynyl group,

a C2-C6 haloalkynyl group,

a C3-C8 cycloalkyl group,

a C3-C8 halocycloalkyl group,

a phenyl group,

a substituted phenyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a

C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxy carbonyl group,  
a naphthyl group,  
a substituted naphthyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxy carbonyl group,  
a heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a tetrahydrofuryl group, a thienyl group, a tetrahydrothienyl group, a tetrahydropyranyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group),  
a substituted heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a tetrahydrofuryl group, a thienyl group, a tetrahydrothienyl group, a tetrahydropyranyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group) having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxy carbonyl group,

-E<sub>1</sub>-Z<sub>1</sub>-R<sub>4</sub>

(wherein E<sub>1</sub> represents a C1-C4 alkylene group, a C2-C4 alkenylene group, a C3-C4 alkynylene group, a C1-C4 haloalkylene group, a C2-C4 haloalkenylene group, or a C3-C4 haloalkynylene group; R<sub>4</sub> represents a hydrogen atom, a C1-C6 alkyl group, a C2-C6 alkenyl group, a C2-C6 alkynyl group, a C1-C6 haloalkyl group, a C2-C6 haloalkenyl group, a C2-C6 haloalkynyl group,

a C3-C8 cycloalkyl group,

a C3-C8 halocycloalkyl group,

a phenyl group,

a substituted phenyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxycarbonyl group,

a naphthyl group,

a substituted naphthyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxycarbonyl group,

a heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a tetrahydrofuryl group, a thienyl group, a tetrahydrothienyl group, a tetrahydropyranyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a

thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group), or

a substituted heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a tetrahydrofuryl group, a thienyl group, a tetrahydrothienyl group, a tetrahydropyranyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group) having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxycarbonyl group); and  $Z_1$  represents -O-, -S-, -SO-, -SO<sub>2</sub>-, -C(=O)-, -C(=O)O-, -OC(=O)-, -N(R<sub>5</sub>)-, -C(=O)N(R<sub>5</sub>)-, or -N(R<sub>5</sub>)C(=O)- (R<sub>5</sub> represents a hydrogen atom, a C1-C4 alkyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, or a C1-C4 alkoxycarbonyl group)), or

-E<sub>2</sub>-R<sub>6</sub>

(wherein E<sub>2</sub> represents a C1-C4 alkylene group, a C2-C4 alkenylene group, a C3-C4 alkynylene group, a C1-C4 haloalkylene group, a C2-C4 haloalkenylene group, or a C3-C4 haloalkynylene group, and R<sub>6</sub> represents a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group,

a cyano group,

a nitro group,

a hydroxyl group,

a phenyl group,

a substituted phenyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6

haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxycarbonyl group,

a naphthyl group,

a substituted naphthyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxycarbonyl group,

a heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a tetrahydrofuryl group, a thienyl group, a tetrahydrothienyl group, a tetrahydropyranyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group), or

a substituted heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a tetrahydrofuryl group, a thienyl group, a tetrahydrothienyl group, a tetrahydropyranyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group) having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro

group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxy carbonyl group);

R<sub>2</sub> and R<sub>3</sub> independently represent a hydrogen atom, a C1-C4 alkyl group, a C1-C4 alkylcarbonyl group, or a C1-C4 haloalkylcarbonyl group; G<sub>1</sub>, G<sub>2</sub>, and G<sub>3</sub>

independently represent an oxygen atom or a sulfur atom; Xs may be the same or different and each represent a hydrogen atom, a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C4 alkoxy group, a C1-C4 haloalkoxy group, a C1-C4 alkylthio group, a C1-C4 haloalkylthio group, a C1-C4 alkylsulfinyl group, a C1-C4 haloalkylsulfinyl group, a C1-C4 alkylsulfonyl group, a C1-C4 haloalkylsulfonyl group, a cyano group, a nitro group, an amino group, or an amino group which may be substituted by a C1-C4 alkyl group;

n represents an integer of 0 to 4; and

Q represents a phenyl group,

a substituted phenyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a C1-C6 haloalkylsulfonyloxy group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a phenyl group, a substituted phenyl group (which may have the same or different substituents selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a C1-C6 haloalkylsulfonyloxy, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group), a thienyl group, and a substituted thienyl group (which may have the same or different substituents selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8

cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a C1-C6 haloalkylsulfonyloxy group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group),

a naphthyl group,

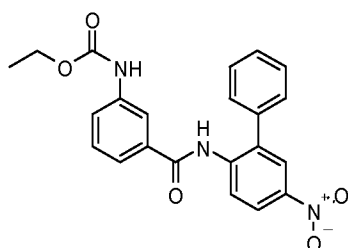
a substituted naphthyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group,

a heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a thienyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, or a pyrazolyl group),

a substituted heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a thienyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group) having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group,

a tetrahydronaphthyl group, or

a substituted tetrahydronaphthyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group (excluding case (1) in which Q represents a 3,4-dichlorophenyl group when R1 represents a methyl group, case (2) in which Q represents an unsubstituted phenyl group when R1 represents an ethyl group, case (3) in which Q represents an unsubstituted pyridyl group when R1 represents an unsubstituted phenyl group, case (4) in which X bonded with A4 represents a halogen atom and a cyano group when A4 is a carbon atom, and case (5) a compound represented by following chemical formula



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3. (original) The compound according to claim 2, wherein in formula (1), G<sub>1</sub> and G<sub>3</sub> each represent an oxygen atom, and Q represents a phenyl group, a substituted phenyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a C1-C6 haloalkylsulfonyloxy group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group,



a naphthyl group,  
a substituted naphthyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group, a heterocyclic group (which represents a pyridyl group or a pyrazolyl group), a substituted heterocyclic group (which represents a pyridyl group or a pyrazolyl group) having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group, a tetrahydronaphthyl group, or  
a substituted tetrahydronaphthyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group.

4. (original) The compound according to claim 3, wherein in formula (1), Xs may be the same or different and each represent a hydrogen atom, a halogen atom, a C1-C4 alkyl group, or a trifluoromethyl group, and n is an integer of 0 to 4.

5. (original) The compound according to claim 4, wherein in formula (1), R<sub>1</sub>

represents:

a C1-C6 alkyl group,

a C1-C6 haloalkyl group,

a C2-C6 alkenyl group,

a C2-C6 haloalkenyl group,

a C2-C6 alkynyl group,

a C2-C6 haloalkynyl group,

a C3-C8 cycloalkyl group,

a C3-C8 halocycloalkyl group,

-E<sub>1</sub>-Z<sub>1</sub>-R<sub>4</sub>

(wherein E<sub>1</sub> represents a C1-C4 alkylene group, a C2-C4 alkenylene group, a C3-C4 alkynylene group, a C1-C4 haloalkylene group, a C2-C4 haloalkenylene group, or a C3-C4 haloalkynylene group, R<sub>4</sub> represents a hydrogen atom, a C1-C6 alkyl group, a C2-C6 alkenyl group, a C2-C6 alkynyl group, a C1-C6 haloalkyl group, a C2-C6 haloalkenyl group, a C2-C6 haloalkynyl group, and Z<sub>1</sub> represents -O-, -S-, -SO-, or -SO<sub>2</sub>-), or

-E<sub>2</sub>-R<sub>6</sub>

(wherein E<sub>2</sub> represents a C1-C4 alkylene group, a C2-C4 alkenylene group, a C3-C4 alkynylene group, a C1-C4 haloalkylene group, a C2-C4 haloalkenylene group, or a C3-C4 haloalkynylene group, and R<sub>6</sub> represents a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group,

a cyano group,

a nitro group,

a hydroxyl group,

a phenyl group,

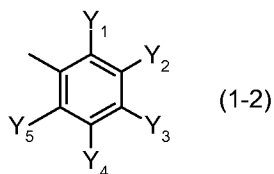
a substituted phenyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, a C1-C4 alkoxycarbonyl

group, and a pentafluorosulfanyl group,  
a pyridyl group,  
a substituted pyridyl group having one or more substituents selected from a halogen atom, a C1-C6 haloalkyl group, and a C1-C6 haloalkoxy group,  
a thienyl group, or a tetrahydrofuryl group).

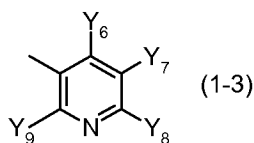
6. (previously presented) The compound according to claim 5, wherein in formula (1), A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub>, and A<sub>4</sub> are all carbon atoms and G<sub>2</sub> is an oxygen atom.

7. (original) The compound according to claim 6, wherein in formula (1), Q represents  
a phenyl group,  
a substituted phenyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a pentafluorosulfanyl group, a cyano group, and a nitro group;  
a pyridyl group, or  
a substituted pyridyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a pentafluorosulfanyl group, a cyano group, and a nitro group.

8. (currently amended) The compound according to claim 7, wherein in formula (1), Q is a substituent represented by formula (1-2) or (1-3):



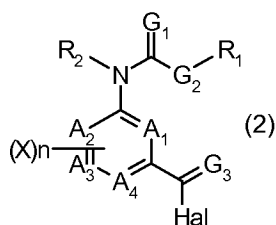
(wherein Y<sub>1</sub>, Y<sub>2</sub>, Y<sub>4</sub>, and Y<sub>5</sub> may be the same or different and each represent a hydrogen atom, a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a pentafluorosulfanyl group, a cyano group, or a nitro group, and Y<sub>3</sub> represents a C1-C6 haloalkyl group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 haloalkylthio group, a C1-C6 haloalkylsulfinyl group, a C1-C6 haloalkylsulfonyl group, or a pentafluorosulfanyl group, but ~~only one of~~ excluding a case where both Y<sub>1</sub> and Y<sub>5</sub> represents-represent a hydrogen atom)



(wherein Y<sub>6</sub>, Y<sub>7</sub>, and Y<sub>9</sub> may be the same or different and each represent a hydrogen atom, a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a pentafluorosulfanyl group, a cyano group, or a nitro group, and Y<sub>8</sub> represents a C1-C6 haloalkyl group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 haloalkylthio group, a C1-C6 haloalkylsulfinyl group, a C1-C6 haloalkylsulfonyl group, or a pentafluorosulfanyl group, but ~~only one of~~ excluding a case where both Y<sub>6</sub> and Y<sub>9</sub> represents-represent a hydrogen atom).

9.-11. (cancelled)

12. (currently amended) A method for producing the compound according to claim 2, the method comprising reacting the compound represented by formula (2) with a compound represented by formula (5):



wherein A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub>, and A<sub>4</sub> ~~independently~~ represent a carbon atom, ~~a nitrogen atom,~~  
~~or an oxidized nitrogen atom,~~ and R<sub>1</sub> represents the following:

a C1-C6 alkyl group,

a C1-C6 haloalkyl group,

a C2-C6 alkenyl group,

a C2-C6 haloalkenyl group,

a C2-C6 alkynyl group,

a C2-C6 haloalkynyl group,

a C3-C8 cycloalkyl group,

a C3-C8 halocycloalkyl group,

a phenyl group,

a substituted phenyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxycarbonyl group,

a naphthyl group,

a substituted naphthyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a

C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxy carbonyl group,

a heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a tetrahydrofuryl group, a thienyl group, a tetrahydrothienyl group, a tetrahydropyranyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group),

a substituted heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a tetrahydrofuryl group, a thienyl group, a tetrahydrothienyl group, a tetrahydropyranyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group) having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxy carbonyl group), or

-E<sub>1</sub>-Z<sub>1</sub>-R<sub>4</sub>

(wherein E<sub>1</sub> represents a C1-C4 alkylene group, a C2-C4 alkenylene group, a C3-C4 alkynylene group, a C1-C4 haloalkylene group, a C2-C4 haloalkenylene group, or a C3-C4 haloalkynylene group; R<sub>4</sub> represents a hydrogen atom, a C1-C6 alkyl group, a C2-C6 alkenyl group, a C2-C6 alkynyl group, a C1-C6 haloalkyl group, a C2-C6 haloalkenyl group, a C2-C6 haloalkynyl group,

a C3-C8 cycloalkyl group,

a C3-C8 halocycloalkyl group,

a phenyl group,

a substituted phenyl group having one or more substituents which may be the same

or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxycarbonyl group,

a naphthyl group,

a substituted naphthyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxycarbonyl group,

a heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a tetrahydrofuryl group, a thienyl group, a tetrahydrothienyl group, a tetrahydropyranyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group),

a substituted heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a tetrahydrofuryl group, a thienyl group, a tetrahydrothienyl group, a tetrahydropyranyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group) having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6

alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxycarbonyl group), and

Z<sub>1</sub> represents -O-, -S-, -SO-, -SO<sub>2</sub>-, -C(=O)-, -C(=O)O-, -OC(=O)-, -N(R<sub>5</sub>)-, -C(=O)N(R<sub>5</sub>)-, or -N(R<sub>5</sub>)C(=O)- (R<sub>5</sub> represents a hydrogen atom, a C1-C4 alkyl group, a C1-C4 alkylcarbonyl group, or a C1-C4 alkoxycarbonyl group)), or

-E<sub>2</sub>-R<sub>6</sub>

(wherein E<sub>2</sub> represents a C1-C4 alkylene group, a C2-C4 alkenylene group, a C3-C4 alkynylene group, a C1-C4 haloalkylene group, a C2-C4 haloalkenylene group, or a C3-C4 haloalkynylene group, and R<sub>6</sub> represents a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group,

a cyano group,

a nitro group,

a hydroxyl group,

a phenyl group,

a substituted phenyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxycarbonyl group,

a naphthyl group,

a substituted naphthyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6



haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxycarbonyl group,

a heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a tetrahydrofuryl group, a thienyl group, a tetrahydrothienyl group, a tetrahydropyranyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group), or

a substituted heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a tetrahydrofuryl group, a thienyl group, a tetrahydrothienyl group, a tetrahydropyranyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group) having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, and a C1-C4 alkoxycarbonyl group);

R<sub>2</sub> represents a hydrogen atom, a C1-C4 alkyl group, a C1-C4 alkylcarbonyl group, or a C1-C4 haloalkylcarbonyl group;

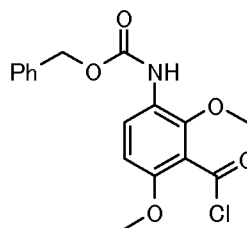
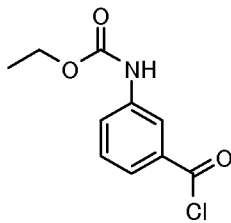
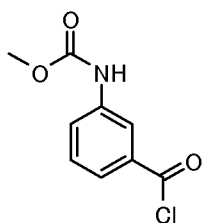
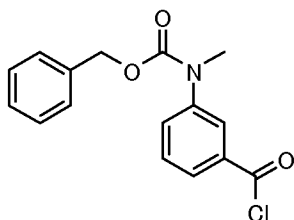
G<sub>1</sub>, G<sub>2</sub>, and G<sub>3</sub> independently represents an oxygen atom or a sulfur atom;

Xs may be the same or different and each represent a hydrogen atom, a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C4 alkoxy group, a C1-C4 haloalkoxy group, a C1-C4 alkylthio group, a C1-C4 haloalkylthio group, a C1-C4 alkylsulfinyl group, a C1-C4 haloalkylsulfinyl group, a C1-C4 alkylsulfonyl group, a

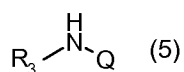
C1-C4 haloalkylsulfonyl group, a cyano group, a nitro group, or an amino group which may be substituted by a C1-C4 alkyl group;

n represents an integer of 0 to 4; and

Hal represents a halogen atom (excluding a case (1) in which R1 is an unsubstituted benzyl group when X is a hydrogen atom and a case (2) the compounds represented by following chemical formulae

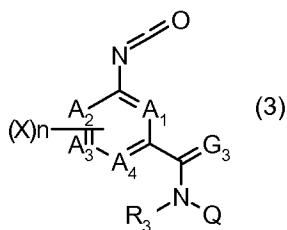


),



wherein R<sub>3</sub> and Q each represent the same as in claim 2.

13. (previously presented) A method for producing the compound according to claim 2, the method comprising reacting the compound represented by formula (3) with a compound represented by formula (6):



wherein A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub>, and A<sub>4</sub> represent a carbon atom; R<sub>3</sub> represents a hydrogen atom, a C1-C4 alkyl group, a C1-C4 alkylcarbonyl group, or a C1-C4 haloalkylcarbonyl

group;  $G_3$  represents an oxygen atom or a sulfur atom; Xs may be the same or different and each represent a hydrogen atom, a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C4 alkoxy group, a C1-C4 haloalkoxy group, a C1-C4 alkylthio group, a C1-C4 haloalkylthio group, a C1-C4 alkylsulfinyl group, a C1-C4 haloalkylsulfinyl group, a C1-C4 alkylsulfonyl group, a C1-C4 haloalkylsulfonyl group, a cyano group, a nitro group, or an amino group which may be substituted by a C1-C4 alkyl group;

n represents an integer of 0 to 4; and

Q represents a phenyl group,

a substituted phenyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a C1-C6 haloalkylsulfonyloxy group, a C1-C4 alkylcarbonyl group, a C1-C4 haloalkylcarbonyl group, a cyano group, a nitro group, a hydroxyl group, a pentafluorosulfanyl group, a phenyl group, a substituted phenyl group (which may have the same or different substituents selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a C1-C6 haloalkylsulfonyloxy group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group), a thienyl group, a substituted thienyl group (which may have the same or different substituents selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a C1-C6 haloalkylsulfonyloxy group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group),

a naphthyl group,

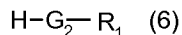
a substituted naphthyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C8 cycloalkyl group, a C3-C8 halocycloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group,

a heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a thienyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, a pyrrole group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group),

a substituted heterocyclic group (which represents a pyridyl group, a pyridine-N-oxide group, a pyrimidinyl group, a pyridazyl group, a furyl group, a thienyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, a thiadiazolyl group, an imidazolyl group, a triazolyl group, a pyrazolyl group, or a tetrazolyl group) having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group, a tetrahydronaphthyl group, or

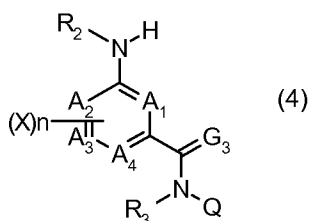
a substituted tetrahydronaphthyl group having one or more substituents which may be the same or different and which are selected from a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group,

group, a cyano group, a nitro group, a hydroxyl group, and a pentafluorosulfanyl group,



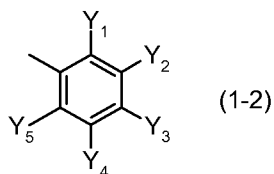
wherein  $\text{R}_1$  and  $\text{G}_2$  each represent the same as in claim 2.

14. (previously presented) A method for producing the compound according to claim 2, the method comprising reacting the compound represented by formula (4) with a compound represented by formula (7):



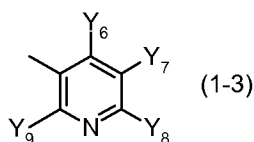
wherein  $\text{A}_1$ ,  $\text{A}_2$ ,  $\text{A}_3$ , and  $\text{A}_4$  independently represent a carbon atom;  $\text{R}_2$  and  $\text{R}_3$  independently represent a hydrogen atom, a C1-C4 alkyl group, a C1-C4 alkylcarbonyl group, or a C1-C4 haloalkylcarbonyl group;  $\text{G}_3$  represents an oxygen atom or a sulfur atom;  $\text{X}$ s may be the same or different and each represent a hydrogen atom, a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C4 alkoxy group, a C1-C4 haloalkoxy group, a C1-C4 alkylthio group, a C1-C4 haloalkylthio group, a C1-C4 alkylsulfinyl group, a C1-C4 haloalkylsulfinyl group, a C1-C4 alkylsulfonyl group, a C1-C4 haloalkylsulfonyl group, a cyano group, a nitro group, or an amino group which may be substituted by a C1-C4 alkyl group;  $n$  represents an integer of 0 to 4; and

$\text{Q}$  is a substituent represented by formula (1-2) or (1-3):

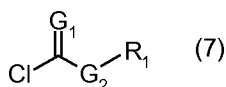


(wherein  $\text{Y}_1$ ,  $\text{Y}_2$ ,  $\text{Y}_4$ , and  $\text{Y}_5$  may be the same or different and each represent a hydrogen atom, a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6

haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a pentafluorosulfanyl group, a cyano group, or a nitro group, and Y<sub>3</sub> represents a C1-C6 haloalkyl group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 haloalkylthio group, a C1-C6 haloalkylsulfinyl group, a C1-C6 haloalkylsulfonyl group, or a pentafluorosulfanyl group, but only one of Y<sub>1</sub> and Y<sub>5</sub> represents a hydrogen atom);



(wherein Y<sub>6</sub>, Y<sub>7</sub>, and Y<sub>9</sub> may be the same or different and each represent a hydrogen atom, a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylsulfinyl group, a C1-C6 haloalkylsulfinyl group, a C1-C6 alkylsulfonyl group, a C1-C6 haloalkylsulfonyl group, a pentafluorosulfanyl group, a cyano group, or a nitro group, and Y<sub>8</sub> represents a C1-C6 haloalkyl group, a C1-C6 haloalkoxy group, a C1-C6 haloalkyl group which may be substituted by at least one hydroxyl group, a C1-C6 haloalkylthio group, a C1-C6 haloalkylsulfinyl group, a C1-C6 haloalkylsulfonyl group, or a pentafluorosulfanyl group, but only one of Y<sub>6</sub> and Y<sub>9</sub> represents a hydrogen atom),



wherein R<sub>1</sub>, G<sub>1</sub>, and G<sub>2</sub> each represent the same as in claim 2.

15. (cancelled)

16. (cancelled)

17. (previously presented) An insecticide comprising the compound according to claims 2 as an active ingredient.

18. (previously presented) An agricultural/horticultural insecticide comprising the

compound according to claim 2 as an active ingredient.

19. (previously presented) A method for using a chemical comprising treating a useful crop or soil with an effective amount of the compound according to claim 2, for protecting the useful crop from harmful organisms.

20. (currently amended) A method for ~~preventing pests comprising using~~ treating pests with the compound according to claim 2 and at least one fungicide and/or insecticide in combination.

21. (currently amended) The method for ~~preventing~~ treating pests according to claim 20, wherein the fungicide and/or insecticide is selected from azole fungicides such as triadimefon, hexaconazole, propiconazole, ipconazole, prochloraz, and triflumizole; pyrimidine fungicides such as pyrifenoxy and fenarimol; anilinopyrimidine fungicides such as mepanipyrim and cyprodinil; acylalanine fungicides such as metalaxyl, oxadixyl, and benalaxyl; benzimidazole fungicides such as thiophanate-methyl and benomyl; dithiocarbamate fungicides such as mancozeb, propineb, zineb, and metiram; organochlorine fungicides such as tetrachloroisophthalonitrile; carboxamide fungicides such as carpropamid and ethaboxam; morpholine fungicides such as dimethomorph; strobilurin fungicides such as azoxystrobin, kresoxim-methyl, metominostrobin, orysastrobin, fluoxastrobin, trifloxystrobin, dimoxystrobin, pyraclostrobin, and picoxystrobin; dicarboxyimide fungicides such as iprodione and procymidone; soil-applied fungicides such as flusulfamide, dazomet, methyl isothiocyante, and chloropicrin; copper fungicides such as basic copper chloride, basic copper sulfate, copper nonylphenol sulfonate, oxine-copper, and DBEDC; inorganic fungicides such as sulfur and zinc sulfate; organophosphate fungicides such as edifenphos, tolclofos-methyl, and fosetyl-aluminum; melanin biosynthesis inhibitors such as phthalide, tricyclazole, pyroquilon, and diclocymet; antibiotics such as kasugamycin, validamycin, and polyoxins; fungicidal natural products such as rape seed oil; and other fungicides such as benthiavalicarb-isopropyl, iprovalicarb, cyflufenamid, fenhexamid, quinoxifen, spiroxamine, diflumetorim, metrafenone, picobenzamid, proquinazid, silthiofam, oxpyaconazole, famoxadone, cyazofamid,

fenamidone, furametpyr, zoxamide, boscalid, tiadinil, simeconazole, chlorothalonil, cymoxanil, captan, dithianon, fluazinam, folpet, dichlofluamid, (RS)-N-[2-(1,3-dimethylbutyl)thiophen-3-yl]-1-methyl-3-trifluoromethyl-1*H*-pyrazole-4-carboxamide (penthiopyrad; ISO proposed), oxycarboxin, mepronil, flutolanil, triforine, oxolinic acid, probenazole, acibenzolar-S-methyl, isoprothiolane, ferimzone, diclomezine, pencycuron, fluoroimide, chinomethionate, iminoctadine-triacetate, and iminoctadine-albesilate; synthetic pyrethroid insecticides such as allethrin, tetramethrin, resmethrin, phenothrin, furamethrin, permethrin, cypermethrin, deltamethrin, cyhalothrin, cyfluthrin, fenpropathrin, tralomethrin, cycloprothrin, flucythrinate, fluvalinate, acrinathrin, tefluthrin, bifenthrin, empenthrin, beta-cyfluthrin, zeta-cypermethrin, and fenvalerate, and various isomers thereof and pyrethrum extracts; organophosphate insecticides such as DDVP, cyanophos, fenthion, fenitrothion, tetrachlorvinphos, dimethylvinphos, propaphos, methylparathion, temephos, phoxim, acephate, isofenphos, salithion, DEP, EPN, ethion, mecarbam, pyridafenthion, diazinon, pirimiphos-methyl, etrimfos, isoxathion, quinalphos, chlorpyrifos-methyl, chlorpyrifos, phosalone, phosmet, methidathion, oxydeprofos, vamidothion, malathion, phenthoate, dimethoate, formothion, thiometon, ethylthiometon, phorate, terbufos, profenofos, prothiofos, sulprofos, pyraclofos, monocrotophos, naled, fosthiazate, and cadusafos; carbamate insecticides such as NAC, MTMC, MIPC, BPMC, XMC, PHC, MPMC, ethiofencarb, bendiocarb, pirimicarb, carbosulfan, benfuracarb, methomyl, oxamyl, and aldicarb; arylpropylether insecticides such as etofenprox and halfenprox; silylether insecticides such as silafluofen; insecticidal natural products such as nicotine-sulfate, polynactin complex, abamectin, milbemectin, and BT agents; insecticides such as, cartap, thiocyclam, bensultap, diflubenzuron, chlorfluazuron, teflubenzuron, triflumuron, flufenoxuron, flucycloxuron, hexaflumuron, fluazuron, imidacloprid, nitenpyram, acetamiprid, dinotefuran, pymetrozine, fipronil, buprofezin, fenoxycarb, pyriproxyfen, methoprene, hydroprene, kinoprene, diafenthiuron, triazamate, tebufenozide, and endosulfan; acaricides such as dicofol, chlorobenzilate, bromopropylate, tetradifon, CPCBS, BPPS, chinomethionate, amitraz, benzoximate, hexythiazox, fenbutatin oxide, cyhexatin, dienochlor, clofentezine, pyridaben, fenpyroximate, fenazaquin, and tebufenpyrad; novaluron; noviflumuron; emamectin benzoate; clothianidin; thiacloprid;



thiamethoxam; flupyrzofos; acequinocyl; bifenazate; chromafenozide; etoxazole; fluacrypyrim; flufenzine; halofenozide; indoxacarb; methoxyfenozide; spirodiclofen; tolfenpyrad; gamma-cyhalothrin; ethiprole; amidoflumet; bistrifluron; flonicamid; flubrocylthrinat; flufenerim; pyridalyl; pyrimidifen; spinosad; and spiromesifen.